## **EAST Search History**

## EAST Search History (Prior Art)

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S64	2	(("4996105") or ("5419969")).PN.	US-PGPUB; USPAT	OR	OFF	2008/07/07 12:05
S65	1	10/533,890	US-PGPUB; USPAT	OR	OFF	2008/07/07 14:58
S66	1	S65 and protective	US-PGPUB; USPAT	OR	OFF	2008/07/07 14:58
S67	1	S65 and protective and intermediate and gold	US-PGPUB; USPAT	OR	OFF	2008/07/07 14:59
S68	61972	(TiO2 or "TiO.sub.2" or TiO2 or "TiO.sub.2" or titania or titanium) and (silver "ag") and (gold "Au")	US-PGPUB; USPAT	OR	OFF	2008/07/07 15:15
S69	91996	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium) and (silver "ag") and (gold "Au")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:15
S70	46677	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium) and (silver "ag") and (gold "Au")and glass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:15
S71	46677	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium) and (silver "ag") and (gold "Au")and glass and (gold or Au)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:16
<b>S</b> 72	2144	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium) and (silver "ag") and (gold "Au")and glass and metal near oxide\$1 near layer\$2 and (gold or Au)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:17

S73	2344	((Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or Titania or titanium) near5 (layer\$2 or film \$1)) and ((silver "ag") and (gold "Au") near5 (layer\$2 or film\$1)) and glass and ((gold or Au) near (layer\$2 or film\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DEFWENT; IBM_TDB	OR		2008/07/07 15:31
S74	1290	((TiO2 or "TiO.sub.2" or TiO2 or "TiO.sub.2" or titanium inear (layer\$2 or film\$1)) and ((silver "ag") and (gold "Au") near (layer\$2 or film\$1)) and glass and ((gold or Au) near (layer\$2 or film\$1)) and glass and (2 or film\$1)) and glass and (3 or film\$1)) and glass and (3 or film\$1)) and glass and (3 or film\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:34
S76	365	((TiO2 or "TiO.sub.2" or TiO2 or "TiO.sub.2" or TiO3 or "TiO.sub.2" or titania or titanium) near (layer\$2 or film\$1)) and ((silver "ag") and (gold "Au") near (layer\$2 or film\$1)) and glass and ((gold or Au) near (layer \$2 or film\$1)) and reflecti \$2 and transparent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:35
<b>S</b> 77	153	((Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or Ti03 or "TiO.sub.2" or titania or titanium) near (layer\$2 or film\$1)) and ((silver "ag") and (gold "Au") near (layer\$2 or film\$1)) and glass and ((gold or Au) near (layer \$2 or film\$1)) and reflecti \$2 and transparent near (layer or film\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:35
S78	19	((TiO2 or "TiO.sub.2" or TiO2 or "TiO.sub.2" or Titania or titanium) near ((aiyer\$2 or film\$1)) and ((silver "ag") and (gold "Au") near (layer\$2 or film\$1)) and glass and ((gold or Au) near (layer \$2 or film\$1)) and reflecti \$2 and (transparent and alternati\$2) near (layer or film\$1)	US-PCPUB; USPAT; USOCR; FPHS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:37

S79	38	((Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium) near (layer\$2 or film\$1)) and ((silver "ag") and (gold "Au") near (layer\$2 or film\$1)) and glass and ((gold or Au) near (layer\$2 or film\$1)) and glest \$2 or film\$1)) and alternati\$2 near (layer\$2 or film\$1)) and alternati\$2 near (layer\$2 or film\$1)) and alternati\$2 near (layer\$2 or film\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 15:38
<b>S</b> 80	526	((Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium) near (layer\$2 or film\$1)) and ((silver "ag") and (gold "Au") near (layer\$2 or film\$1)) and glass and ((gold or Au) near (layer\$2 or film\$1)) and reflecti	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/25 11:41
S81	309	metal\$1 near10 above near (silver ag) near (layer\$1 coating\$1 film \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:32
S82	206	metal\$1 near10 above near (silver ag) near (layer\$1 coating\$1 film \$1) and (au gold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:32
S83	107	metal\$1 near10 above near (silver ag) near (layer\$1 coating\$1 film \$1) same (au gold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:33
S84	662	metal\$1 near10 (barrier block\$3 tie ) near10 (silver ag function\$1) near (layer\$1 coating\$1 film\$1) same (au gold)	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:35

S85	599	metal\$1 near10 (barrier block\$3 tie )near (layer \$1 coating\$1 filn\$1) near10 (silver ag function \$21 near (layer\$1 coating \$1 film\$1) same (au gold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:36
S86	1363	metal\$1 near10 (barrier block\$3 tie )near (layer \$1 coating\$1 film\$1) near10 (silver ag function \$2) near (layer\$1 coating \$1 film\$1) and (au gold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:36
S87	1	("4749397").PN.	US-PGPUB; USPAT	OR	OFF	2009/01/15 15:39
S88	0	S87 and (au gold)	US-PGPUB; USPAT	OR	OFF	2009/01/15 15:39
S89	232	(au gold) near10 (barrier block\$3 tie )near (layer \$1 coating\$1 film\$1) same(silver ag function \$2) near (layer\$1 coating \$1 film\$1) and (au gold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:40
S90	77	(au gold) near10 (barrier block\$3 tie )near (layer \$1 coating\$1 film\$1) same(silver ag function \$2) near (layer\$1 coating \$1 film\$1) and (au gold) and infra\$1red	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:47
S91	1	(au gold) near (barrier block\$3 tie )near (layer \$1 coating\$1 film\$1) same(silver ag function \$2) near (layer\$1 coating \$1 film\$1) and (au gold) and infra\$1red	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:47
S92	12	(au gold) near (barrier block\$3 tie )near (layer \$1 coating\$1 film\$1) same(silver ag function \$2) near (layer\$1 coating \$1 film\$1) and (au gold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 15:47
S93	1	("5419969").PN.	US-PGPUB; USPAT	OR	OFF	2009/01/15 15:55
S94	23	("2825687"   "3978272"   "4336120"   "4462883"   "4462884"   "4565719"   "4859532"     "4971843").PN. OR ("5419969").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 15:55

S95	13	S94 and (gold au)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 15:55
S96	8954	(interstitial block\$1 tie barrier) near (coating\$1 film\$1 layer\$1) same (gold au)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/15 16:03
\$97	8984	(interstitial block\$1 tie barrier) near (coating\$1 film\$1 layer\$1) same (gold au)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 16:03
S98	0	(au gold) near (barrier block\$3 tie ) near (layer \$1 coating\$1 film\$1) same(silver ag function \$2) near (layer\$1 coating \$1 film\$1) and low\$1e near glass	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 16:04
S99	4	(au gold) near (barrier block\$3 tie ) near (layer \$1 coating\$1 film\$1) same(silver ag function \$2) near (layer\$1 coating \$1 film\$1) and glass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 16:04
S100	4	(au gold) near (barrier block\$3 tie interstitial) near (layer\$1 coating\$1 film\$1) same(silver ag function\$2) near (layer \$1 coating\$1 film\$1) and glass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 16:05
S101	7	(("2456241") or ("3649359") or ("4240696") or ("4799745") or ("5071206") or ("5591529") or ("5595825")).PN.	US-PGPUB; USPAT	OR	OFF	2009/01/15
S102	5	S101 and (gold au)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:07
S103	0	S101 and (gold au)and block\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:09
S104	1	S101 and (gold au)and block\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:09

S105	2	wo-9936809-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 16:12
S106	8	(("2456241") or ("3649359") or ("4240696") or ("4799745") or ("5071206") or ("5551529") or ("5559825") or ("6157490")).PN.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:12
S107	5	S106 and (gold au)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:13
S108	9	(("2456241") or ("3649359") or ("3240696") or ("4240696") or ("5071206") or ("5591529") or ("5595825") or ("6157490") or ("6262830")).PN.	US-PGPUB; USPAT	OR	OFF	2009/01/15
S109	6	S108 and (gold au)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:13
S110	13	(("2456241") or ("3649359") or ("4240696") or ("4799745") or ("5071206") or ("5591529") or ("5595825") or ("6157490") or ("6262830") or ("20020136905") or ("4716086") or ("5296302") or ("5948538")).FN.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:16
S111	2	ep-1010677-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/15
S112	2	ep-336257- <b>\$</b> .did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/15 16:18

S113	9	S110 and (gold au)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:18
S114	3	S113 not S109	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:19
S115	13	au/ag/au	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/15 16:27
S116	7	(interstitial block\$1 tie barrier) near (coating\$1 film\$1 layer\$1) same (gold au) and heat near mirror\$1	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/15 16:32
S117	1	"10533890"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 08:59
S118	1	S117 and rutile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 08:59
S119	1	S117 and rutile and target\$1	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:00
S120	1	("4996105").PN.	US-PGPUB; USPAT	OR	OFF	2009/01/16 09:01
S121	0	S120 and rutile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:01
S122	12475	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium) same rutile\$1	US-PGPUB; USPAT	OR	OFF	2009/01/16 09:02
S123	4450	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near rutile\$1	US-PGPUB; USPAT	OR	OFF	2009/01/16 09:02

S124	0	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near rutile\$1 same DC near magnetron near sputter \$1	US-PGPUB; USPAT	OR	ON	2009/01/16 09:02
S125	14	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near rutile\$1 and DC near magnetron near sputter \$3	US-PGPUB; USPAT	OR	ON	2009/01/16 09:03
S126	14	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near rutile\$1 and DC near magnetron near sputter \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:07
S127	11	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near rutile\$1 and reflect\$3 same (ag and silver)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:08
S128	756	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near ((layer\$1 coating\$1 film \$1) and rutile\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:11
S129	286	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near ((layer\$1 coating\$1 film \$1) and rutile\$1) and glass and (ag silver)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:11
S130	171	(Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near ((layer\$1 coating\$1 film \$1) and rutile\$1 near anatase)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:15
S131	1	((Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near ((layer\$1 coating\$1 film \$1) and rutile\$1 near anatase)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:18

S132	80	((Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium)near ((layer\$1 coating\$1 film \$1) and rutile\$1 near anatase)) and (Ti02 or "TiO.sub.2" or Ti02 or "TiO.sub.2" or titania or titanium).ab.	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 09:18
S133	0	S117 and "radio frequency magnetron sputtering"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 10:16
S134	1	S117 and "magnetron sputtering"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 10:16
S135	1	S120 and "radio frequency magnetron sputtering"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 10:16
S136	1	"10533890"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 13:33
S137	1	S136 and adhesi\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 13:33
S138	45	laminate\$2 near glaz\$3 same glass same adhesi \$3 same substrate\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24
S139	8	laminate\$2 near glaz\$3 same glass same adhesi \$3 near (layer\$1 coating \$1 film\$1)same substrate \$1	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 13:55

S140	62	laminate\$2 near glaz\$3 same glass same adhesi \$3 near (layer\$1 coating \$1 film\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 13:58
S141	50	laminate\$2 near glaz\$3 same glass near10 adhesi\$3 near (layer\$1 coating\$1 film\$1)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 13:59
S142	33	laminate\$2 near glaz\$3 same glass near10 adhesive near (layer\$1 coating\$1 film\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 14:01
S143	0	asymmetric near laminate\$2 near glaz\$3 same glass near10 adhesive near (layer\$1 coating\$1 film\$1)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 14:35
S144	11	asymmetric near laminate\$2 near glaz\$3	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/24 14:35
S145	2	(("4277538") or ("4600627")).PN.	US-PGPUB; USPAT	OR	OFF	2009/05/07 16:33
S146	60	double near glazing and face\$1 near (glazing substrate\$1) and adhesi \$3	US-PGPUB; USPAT	OR	OFF	2009/05/08 08:31
S147	64	double near glazing and face\$1 near (glazing substrate\$1) and adhesi \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 08:31
S148	38	double near glazing and face\$1 near (glazing substrate\$1) and adhesi \$3 near5 (layer\$1 coating\$1 film\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB	OR	ON	2009/05/08 08:31

S149	12	["20030219632"   "200401755180"   "200401755580"   "4852979"   "5216536"   "5530581"   "5833070"   "6522067"   "6549812"   "6690500"   "6743524"). PN. OR ("7002720").	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/08 09:04
S150	83		US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/13 16:12
S151	29	block\$3 tie )near (layer \$1 coating\$1 film\$1) same(silver ag function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/13 16:15
S152	348	(au gold) near (layer\$1 coating\$1 film\$1) same (silver ag function\$2) near (layer\$1 coating\$1 film\$1) same adhesi\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/13 16:15

## EAST Search History (Interference)

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	((au gold) near (layer\$1 coating\$1 film\$1) same(silver ag function\$2) near (layer\$1 came adhesi\$3).	US-PGPUB; USPAT; UPAD	OR	ON	2009/10/14 10:21
S153	0	((au gold) near10 (barrier block\$3 tie )near (layer\$1 coating\$1 film\$1) same(silver ag function\$2) near (layer\$1 coating\$1 film\$1) and (au gold) and infra \$1red) clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/10/13 16:13

S154 252	((au gold) near (layer\$1 coating\$1 film\$1) same(silver ag function\$2) near (layer\$1 coating\$1 film\$1) ). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/10/13 16:14
----------	--	--------------------------	----	----	------------------

<sup>10/14/2009 10:22:49</sup> AM

C:\ Documents and Settings\ Ixu\ My Documents\ EAST\ Workspaces\ 10533890.wsp